AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1-11. (Canceled)

12. (Currently amended) An optical system having an optical module, the optical module comprising:

a substrate, the substrate including a plate of a first material adhered to a wiring board of a material other than the first material, a through-hole extending through the plate and the wiring board;

an optical element mounted to the wiring board, the optical element including a light receiving portion, the wiring board being between the optical element and the plate; and

a lens unit mounted to the plate, the lens unit including a lens, the plate being between the wiring board and the lens unit,

wherein the light receiving portion and the lens are disposed along an optical axis, the optical axis extending through the through-hole; and

wherein the first material is a metal.

13. (Previously presented) The optical system of claim 12, wherein the lens is mounted to a lens barrel, the lens barrel being moveable in a direction along the optical axis.

14. (Canceled)

15. (Previously presented) The optical system of claim 12, wherein the optical element includes a shielding layer, the light receiving portion being between the shielding layer and the lens.

16. (Previously presented) The optical system of claim 15, wherein the shielding layer is a metal layer.

17. (Previously presented) The optical system of claim 15, wherein the shielding layer is a resin layer.

18. (Previously presented) The optical system of claim 17, wherein a portion of the resin layer is in contact with the wiring board.

19. (Previously presented) An imaging device comprising:

the optical system according to claim 12.

20. (Previously presented) A camera system using a camera module comprising:

the optical system according to claim 12.

21. (Previously presented) An optical system having an optical module, the optical module comprising:

a substrate, the substrate including a plate of a first material adhered to a wiring board of a material other than the first material, a through-hole extending through the plate and the wiring board;

an optical element mounted to the wiring board, the optical element including a light receiving portion, the wiring board being between the optical element and the plate; and

a lens unit mounted to the plate, the lens unit including an optical filter and a lens, the lens being between the optical filter and the light receiving portion, the plate being between the wiring board and the lens unit,

wherein the light receiving portion and the lens are disposed along an optical axis, the optical axis extending through the optical filter and the through-hole.

22. (Previously presented) The optical system of claim 21, wherein the lens is mounted to a lens barrel, the lens barrel being moveable in a direction along the optical axis.

23. (Previously presented) The optical system of claim 21, wherein the first material is a metal.

24. (Previously presented) The optical system of claim 21, wherein the optical element includes a shielding layer, the light receiving portion being between the shielding layer and the lens.

25. (Currently amended) The optical system of claim 24, ~~21,~~ wherein the shielding layer is a metal layer.

26. (Currently amended) The optical system of claim 24, ~~21,~~ wherein the shielding layer is a resin layer.

27. (Currently amended) The optical system of claim 26, ~~21,~~ wherein a portion of the resin layer is in contact with the wiring board.

28. (Previously presented) An imaging device comprising:

the optical system according to claim 21.

29. (Previously presented) A camera system using a camera module comprising:

the optical system according to claim 21.